PROJECT facts
U.S. Department of Energy
National Energy Research Laboratory

Materials and Advanced Metallurgical Research
11/2001

Coal-Ash Corrosion Resistant Materials Testing

Project Lead
McDermott Technology, Inc. (MTI-OH)
Alliance, OH

Description
The objective of this project is to test coal-ash corrosion resistant boiler materials in order to provide full scale, in-situ testing of recently developed boiler superheater, and reheater tube materials. These newer materials may be capable of operating at higher steam temperatures and improved resistance to external/fire-side corrosion. For high-sulfur coal applications, this is a key issue for advanced cycle pulverized coal-fired plants. Fire-side corrosion is also a critical issue for many existing plants. This project includes installation of boiler tube test sections at an existing power plant burning Ohio coal to evaluate new boiler tube alloys.

Duration: 3/31/99 - 3/31/05

Product Support Areas

Gasification Technologies	Combustion Technologies	Sequestration	Environmental & Water Resources	Advanced Turbine & Engines	Fuel Cells
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NETL

Project: 40525
Code: MTI-1

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